

Abstract

A suppression method that provides adaptive (i.e., selective) processing of an input picture to generate an enhanced output picture with ringing-like areas of the input picture suppressed. For each such window in the input picture, if the window is detected as around a ringing-like area in the picture, then the output pixel for the position of the window comprises the low-pass filtered (i.e., smoothed) pixel in the input picture. However, if the window is not detected as around a ringing-like area (i.e., the window is around a non-ringing-like area) then the output pixel for the position of the window comprises essentially the unchanged window in the input picture. As a result no blurring is introduced into the input picture in areas where ringing-like patterns are not detected. Therefore, the output picture includes portions of the input picture in which ringing-like patterns were not detected, and portions of the input picture with suppressed ringing-like patterns where detected. The output picture is an enhanced version of the input picture with suppressed (i.e., smoothed) ringing-like patterns.